

ABSTRACT OF THE DISCLOSURE

An upper hemisphere (2) of a golf ball can be divided into five units (7) by five circular arcs (6) extending from a pole (4) to a great circle zone (5). Similarly, a lower hemisphere can be divided into five units (7). The dimple patterns of the respective units (7) are equivalent to each other. Each unit (7) has four first predetermined polygons (8) whose entirety is included therein and two first predetermined polygons (8) whose half is included therein. The number of the first predetermined polygons (8) that can be formed on the surface of the golf ball is 50. The golf ball has 50 large flat portions present in a region other than a region proximate to a great circle zone (5).